

artPad IITM

USERS' MANUAL



Macintosh

WACOM

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THE BIGGEST LITTLE ART TABLET

artPad^{II}

by WACOM

Execution is the chariot of genius.

—William Blake

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PREFACE

HOW TO USE THIS BOOK

This book has four parts.

- Chapter 1 shows you quick installation steps—you'll simply install the software and plug in the hardware. Afterward, you can get to work right away or go to Chapter 3 to learn more about customizing your ArtPad II.
- Chapter 2 gives you an overview of the many capabilities of your ArtPad II, as well as a complete description of the WACOM portfolio of graphic tablets and accessories. You'll also find a few words about compatible software applications and how to care for your ArtPad II tablet.
- Chapter 3 is the learning chapter. If you're not familiar with a pen, mouse, or trackball, this chapter gives you the basics. Then start using the pen to customize ArtPad II for the everyday way you work.
- Chapter 4 is your reference source. Want to replace the pen tip? Having trouble? A question for Technical Support? You'll find the answers to most common questions here.

At the back of the book, in the Appendix, you'll find product specifications and important license and warranty information.

Certain kinds of information are *not* included in this book.

- Information about your specific computer hardware.
- Information about your operating system.
- Information about application software. To use the pressure-sensitivity of the Erasing UltraPen with your favorite drawing application, refer to instructions in that application's manuals.
- Information about other WACOM tablets.

Your best source of information for these is the set of books and disks that came with your hardware, operating system, applications, or other WACOM tablets.

IMPORTANT

For late-breaking news about applications that support the Erasing UltraPen, refer to the Read Me First file on the WACOM Tablet driver disk.

Welcome to ArtPad II. Now turn to Chapter 1, *Installing*.

RADIO AND TELEVISION INTERFERENCE

The equipment described in this manual generates, uses, and can radiate radio-frequency energy. If it is not installed and used properly—that is, in strict accordance with WACOM instructions—it may cause interference with radio and television reception.

Federal Communications Commission (FCC) Notice

This equipment has been tested and found to comply with the limits for a Class B digital device in accordance with the specifications in Part 15 of FCC rules. These specifications are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation.

You can determine whether your tablet is causing interference by disconnecting it from the computer. If the interference stops, it was probably caused by the tablet.

If your tablet does cause interference to radio or television reception, try to correct the interference by using one or more of the following measures:

- Rotate the television or radio antenna until the interference stops.
- Move the tablet to either side of the television or radio.
- Move the tablet farther away from the television or radio.
- Plug the computer into an outlet that is on a different circuit from the television or radio. (That is, make certain the computer equipment and the television or radio are on circuits controlled by different circuit breakers or fuses.)

If necessary, consult your authorized WACOM dealer or an experienced radio/television technician for additional suggestions. You may find helpful the following booklet, prepared by the Federal Communications Commission: *Interference Handbook* (stock number 004-000-00345-4). This booklet is available from the U.S. Government Printing Office, Washington, DC 20402.

Changes or modifications to this product not authorized by WACOM Technology Corporation could void the FCC Certification and negate your authority to operate the product.

This product was tested for FCC compliance under conditions that included the use of shielded cables and connectors between system components. It is important that you use shielded cables and connectors to reduce the possibility of causing interference to radios, television sets, and other electronic devices.

WACOM'S QUICK INSTALLATION GUIDE

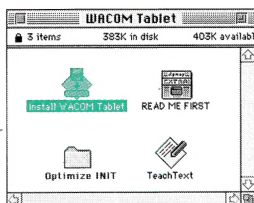
artPad II

The fastest way to install your WACOM tablet is to install the software first and then install the hardware. On the floppy disk that came with your WACOM tablet, you'll find software drivers that tell your computer how to talk to the tablet and a Read Me First file that gives you late-breaking news about ArtPad II.

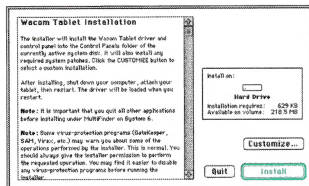
IMPORTANT

It is a good idea to make a backup copy of the WACOM driver disk to use during installation. Then disable any virus protection programs before you begin to install the software.

- 1 Insert the backup copy of your WACOM disk into the floppy disk drive. The disk opens automatically.

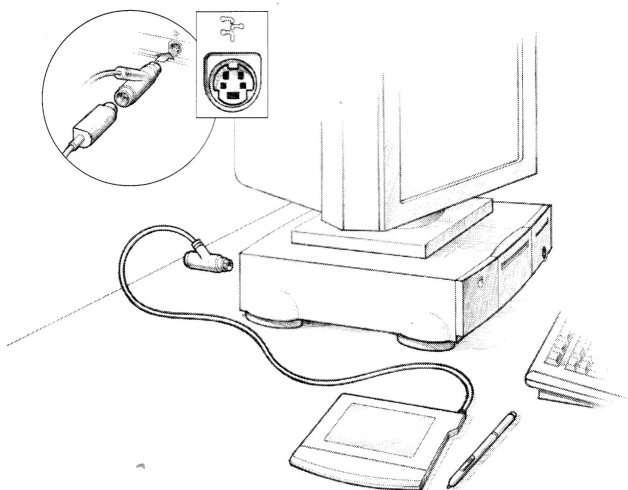


- 2 Double-click the Installer icon. You'll see the WACOM Tablet Installation dialog box.




- 3 Click Install. The Installer automatically installs the WACOM Tablet driver and displays its progress. After installation is completed, click OK.
- 4 Turn off your computer.

- 5 Connect the ArtPad II cable to the Apple Desktop Bus (ADB) communications port on the back of your computer. You can also connect ArtPad II to any other ADB port. For example, you may want to connect ArtPad II to the ADB port on your keyboard. Refer to your hardware manual for other ADB connector locations.
- 6 If you have only one ADB port on the back of your computer, connect the keyboard to the ArtPad II cable pass-through connector. If you have more than one ADB port, connect ArtPad II to one and the keyboard to the other port.
- 7 Turn on your computer. Watch for the WACOM Tablet startup icon; this will tell you if installation was successful. If not, go to "Testing the Tablet" on page 46.



To make sure the tablet is working properly, try this simple test: touch the upper right corner of the tablet with the UltraPen and watch whether the pointer jumps to the upper right corner of the screen. If the pointer moves in a mouse-like manner, the tablet is functioning only as a mouse. You won't have pressure sensitivity or be able to trace on the tablet. If the pointer does not move at all, the tablet may not have been detected or you may have an initialization conflict. See "Having Trouble?" on page 46 for more information.



CHAPTER ONE

INSTALLING

Installing ArtPad II is
easy. All you need is a
Macintosh II computer
or later, running System
6.0.4 or later.

INSTALLATION MADE EASY

The fastest way to install your WACOM tablet is to install the software first and then install the hardware. On the floppy disk that came with your WACOM tablet, you'll find software drivers that tell your computer how to talk to the tablet and a Read Me First file that gives you late-breaking news about ArtPad II.

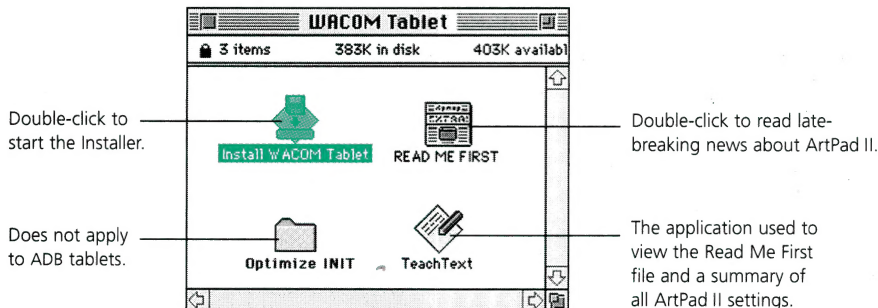
You can install ArtPad II even if you already have a trackball or mouse; the tablet can be used alone or they can all be used together. Actually, you don't need a mouse at all. You'll find ArtPad II does everything a mouse does—and more.

IMPORTANT

It is a good idea to make a backup copy of the WACOM driver disk to use during installation. Then disable any virus protection programs before you begin to install the software.

1 Insert the backup copy of your WACOM disk into the floppy disk drive. The disk opens automatically.

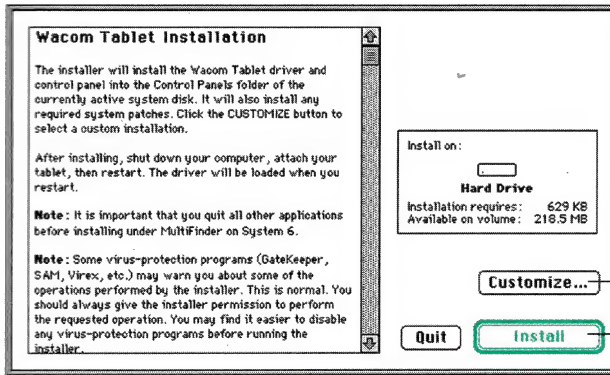
2 Double-click the Installer icon. You'll see the WACOM Tablet Installation dialog box.



3 Click Install. The Installer automatically installs the WACOM Tablet driver and displays its progress. After installation is completed, click OK.

4 Turn off your computer.

5 Connect the ArtPad II cable to the Apple Desktop Bus (ADB) communications port on the back of your computer. You can also connect ArtPad II to any other ADB port. For example, you may want to connect ArtPad II to the ADB port on your keyboard. Refer to your hardware manual for other ADB connector locations.



Click to manually select and install the WACOM Tablet driver and related files. Most users, however, can simply click Install.

Click for the easy install method.

6 If you have only one ADB port on the back of your computer, connect the keyboard to the ArtPad II cable pass-through connector. If you have more than one ADB port, connect ArtPad II to one and the keyboard to the other port.

7 Turn on your computer. Watch for the WACOM Tablet startup icon; this will tell you if installation was successful. If not, go to "Testing the Tablet" on page 44.



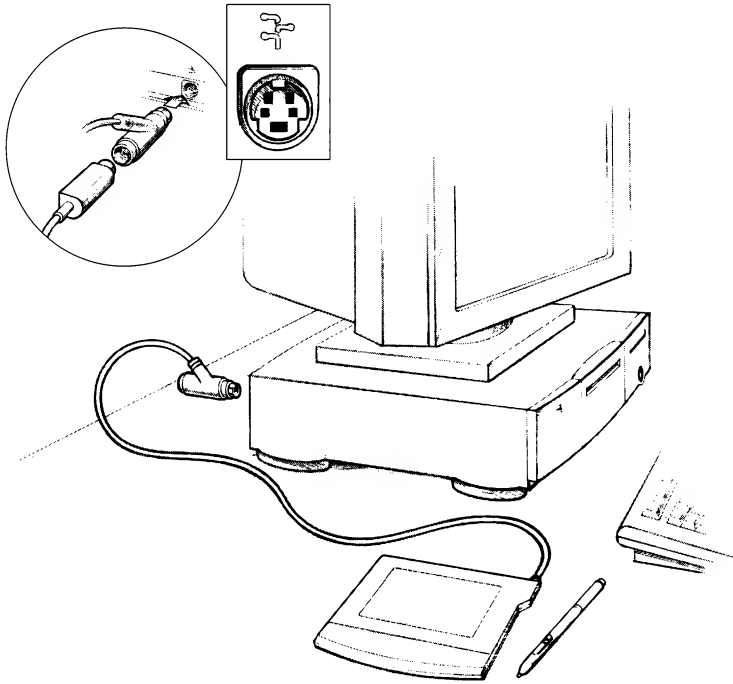
The WACOM Tablet driver has loaded successfully.



The WACOM Tablet driver is loading.



The WACOM Tablet driver did not load. Refer to "Testing the Tablet" on page 44.



To make sure the tablet is working properly, try this simple test: touch the upper right corner of the tablet with the UltraPen and watch whether the pointer jumps to the upper right corner of the screen. If the pointer moves in a mouse-like manner, the tablet is functioning only as a mouse. You won't have pressure sensitivity or be able to trace on the tablet. If the pointer does not move at all, the tablet may not have been detected or you may have an initialization conflict. See "Having Trouble?" on page 44 for more information.

Now you can use the pen to move the pointer on your screen. WACOM offers a wide selection of pens to meet your specific needs. All accessories are described on pages 10–12. If you are comfortable using a pen as a pointing device, and you want to use the default pen and tablet settings, you're ready to put away this manual and start working.

If you are not yet familiar with using a pen, go on to Chapter 2, *The Starting Point*.

CHAPTER TWO

THE STARTING POINT

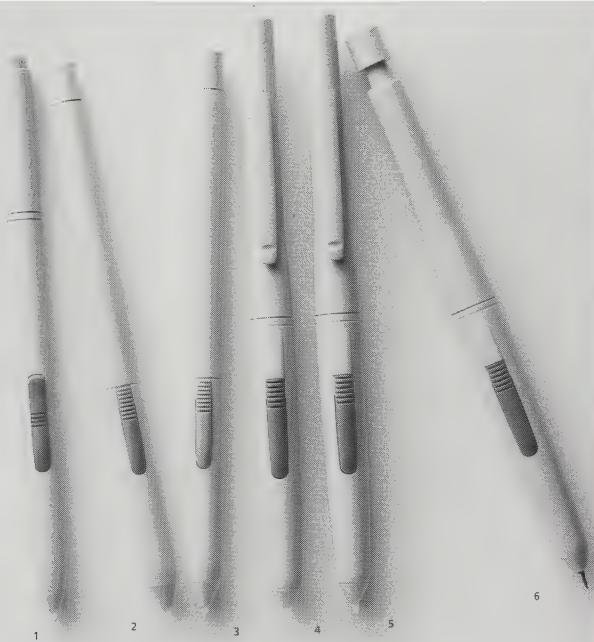
ArtPad II allows greater
freedom and graphic
compatibility, while
providing a better alter-
native for everyday
mouse use. It's as easy
as pen and paper.



B

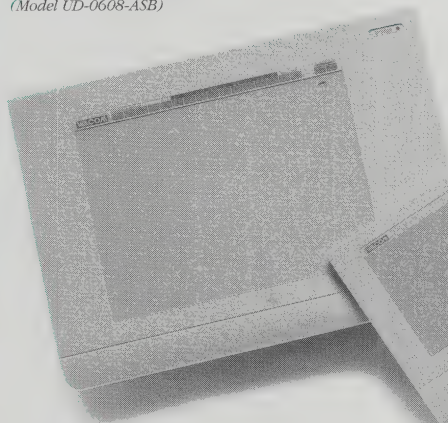
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INVENTIVE TOOLS FOR THE TIMELESS ART OF EXPRESSION

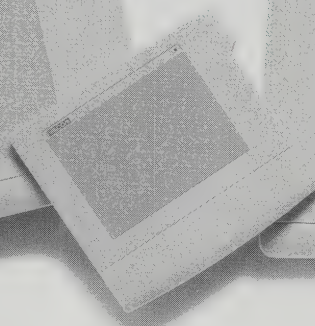


- 1 Erasing UltraPen
with DuoSwitch
(Model UP-801E)
- 2 Point and Click UltraPen
(Model UP-241)
- 3 Handwriting UltraPen
(Model UP-211)
- 4 WideBody UltraPen
with Ink (Model UP-401)
- 5 WideBody UltraPen
with SmoothStroke
(Model UP-421)
- 6 WideBody UltraPen with
Pencil (Model UP-501)

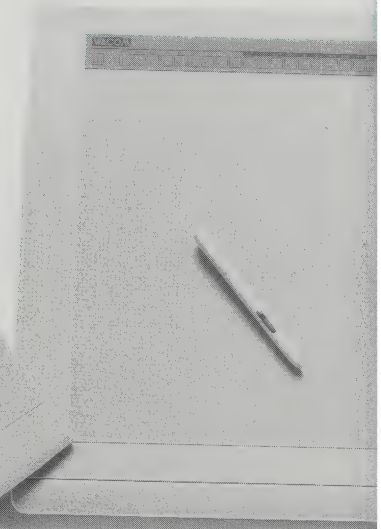
ArtZ II 6 x 8 ADB Tablet
(Model UD-0608-ASB)



ArtPad II 4 x 5 ADB Tablet
(Model KT-0405-ANB)



ArtZ II 12 x 12 Serial Tablet
(Model UD-1212-RSB)



Summit Puck (Model UC-620)

4-Button Puck (Model UC-520)



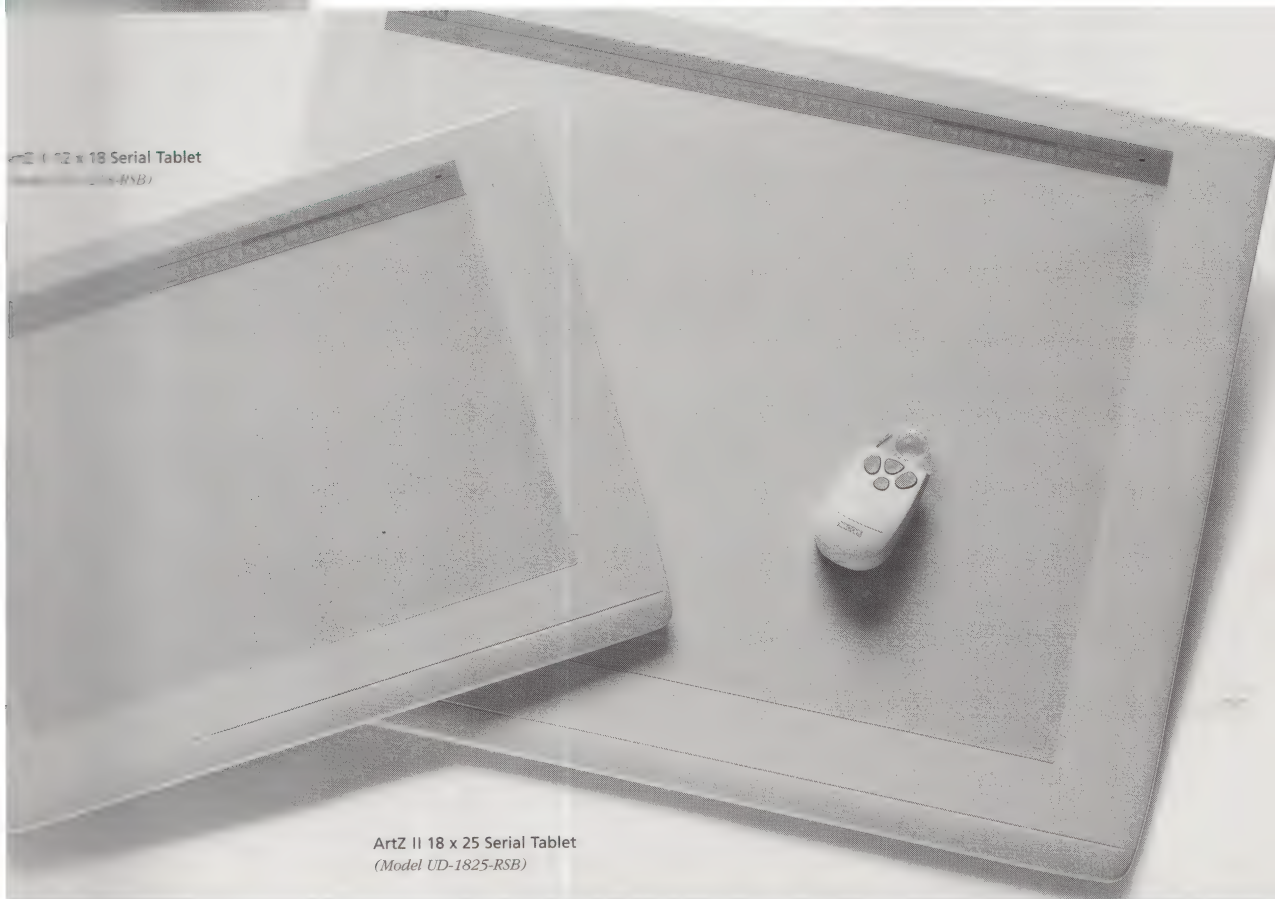
The WACOM portfolio of graphic tablets and accessories. A new generation of electronic graphic tablets, pens and pucks created to serve the artist in us all.

Hold the small ArtPad in the palm of your hand to illustrate ideas, jot down thoughts or take notes naturally and easily. Or choose an ArtZ II to design, illustrate, or edit imagery with superior precision and intuitive ease.

UltraPens and pucks give you freedom, control, and flexibility to expand your creative vision. Cordless, batteryless and pressure-sensitive, your new drawing tools translate the art of expression. Easily. Elegantly. Perfectly. The WACOM portfolio of tablets and pens: the natural selection of graphics tools bound *only by your imagination.*

ArtZ II 12 x 18 Serial Tablet

(Model UD-1825-RSB)



ArtZ II 18 x 25 Serial Tablet
(Model UD-1825-RSB)

ACCESSORIES

Additional information on tablets, pens and other accessories is available on the Worldwide Web at <http://www.wacom.com>.

OTHER TABLETS

ArtZ II 6 x 8 ADB (UD-0608-ASB)

Increase your precision and drawing ease with a laptop size tablet. Accommodates any WACOM UltraPen and the 4-button puck. Designed for graphic designers, art directors, and other professional artists who need computerized graphic tools, but don't have space for a larger tablet.

ArtZ II 12 x 12 Serial (UD-1212-RSB)

A desk-top size tablet for greater freedom of movement required by many pre-press artists, illustrators, page layout artists, and designers. Provides generous tracing area, supports both WACOM pucks.

ArtZ II 12 x 18 Serial (UD-1218-RSB)

ArtZ II 12 x 18 Electrostatic (UD-1218-REB)

An ideal workstation graphic tablet that gives professionals room to work with greater ease. Also available with electrostatic mat that holds images for tracing. The tablet of choice for many graphic artists, pre-press engineers, industrial designers, and modelers.

ArtZ II 18 x 25 Serial (UD-1825-RSB)

An industrial-sized graphic tablet with room for full newspaper size formats. Fits the needs of professionals such as architects, designers, modelers, animators, CAD engineers, and video production engineers.

PENS

Erasing UltraPen with DuoSwitch (UP-801E)

Designed for a natural, well-balanced feel with more precision and flexibility than your favorite artist's tool. This pressure-sensitive pen is an all-purpose tool to use for drawing, erasing, or feathering. The easy-to-use, rocking side-switch gives you two programmable buttons for double the functionality as you work.

WideBody UltraPen with Ink (UP-401)

Gives immediate feedback on what you're drawing at your pen tip and your computer screen. Pressure-sensitive pen comes with inking cartridge and two tips for inkless drawing. Slightly wider barrel is preferred by people who like a heftier drawing tool.

WideBody UltraPen with SmoothStroke (UP-421)

Designed for the artist who requires a combination of visual and tactile feedback. A special tip retracts slightly as pen is pressed.

Handwriting UltraPen (UP-211)

Extra sensitivity makes this pen ideal for handwriting recognition software. Provides for highly accurate signature verification and character recognition. So reliable and effective, it's the pen many major manufacturers use for their notebook computers. Comes with five polyacetal replacement tips and pocket clip.

PUCKS

(Not available for ArtPad II)

4-Button Puck (UC-520)

Ergonomically designed for precise control and ease of use, this puck is popular for precision tracing, digitizing drawings, and CAD processes. Cordless and batteryless, the puck offers complete flexibility of movement, while its functional shape allows for a natural hand position that lets you use it comfortably and accurately all day. Each button can be programmed for specific functions.

16-Button Puck (UC-620)

The same accuracy and freedom of movement as the 4-button model, but with 16 programmable buttons. Each button may be customized with any functions your software allows. Available for ArtZ II 12 x 12 and larger.

COMPATIBLE SOFTWARE APPLICATIONS

ArtPad II is fully compatible with all Macintosh applications. Use your favorite business applications, such as Microsoft Word, Excel, and PowerPoint. Or use one of the many graphics applications—such as those shown below—that take even greater advantage of the pressure-sensitive power of the pen.



ADOBE PHOTOSHOP

Fluid, intuitive color painting, image editing, and photo retouching.



FRACTAL DESIGN PAINTER

A natural tool for pressure-sensitive, realistic brush effects.



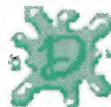
MACROMEDIA FREEHAND

Pressure-sensitive FreeHand tools come alive with the WACOM UltraPen to make beautiful bezier curves and shapes.



ADOBE ILLUSTRATOR

Takes full advantage of the pressure-sensitive UltraPen to draw strokes of variable widths.



FRACTAL DESIGN DABBLER

The WACOM UltraPen makes Dabbler even more fun to use!

HOW TO CARE FOR YOUR PEN AND TABLET

Every WACOM tablet is tested to work correctly right out of the box. Thousands of testing hours have produced a tablet that won't break down with repeated use. Extremely durable, the exterior case is made of hard ABS plastic. Both the tablet surface and pen stand up to even the most heavy-handed pen users.

Regular cleaning with a soft cloth and mild detergent diluted with water, such as dishwashing liquid, will help prolong the life of your tablet surface and pen tip. Be certain not to use any volatile liquids, such as paint thinner, turpentine, or benzene, because they may damage the plastic case.

A few more words about caring for your ArtPad II. You'll want to keep the tablet in a clean, dry place—not in your car or in direct sunlight. Room temperature is best. Also, resist the temptation to look inside your tablet or pen—never take them apart.

After several hundred hours of use, the pen tip may wear down. You'll find instructions for replacing the pen tip on page 48.



CHAPTER THREE

LEARNING

Clicking with a pen is a bit different than with a mouse. It's actually easier! You'll learn how to customize the pen and the tablet. Also, you'll learn helpful tips to optimize ArtPad II for specific software applications.

HOW TO USE THE ULTRAPEN

Think of the ArtPad II tablet as a mapped representation of your computer screen. Wherever you place the pen on the tablet, the pointer will be at that same corresponding point on the screen. This is called “absolute positioning.” It’s the next best thing to pointing or drawing right on your screen.

Absolute positioning makes tracing possible—something you can’t do with a mouse. Place an image on the tablet and trace over it with the UltraPen to quickly and easily create graphics online.

Like learning to ride a bicycle, but easier, with a little bit of practice pointing and clicking with the UltraPen becomes second nature—you may never go back to “mouseing” around again!

There are four basic techniques for using a pen instead of a mouse: pointing, clicking, double-clicking, and dragging.

IMPORTANT

Always use a WACOM UltraPen with your tablet because other WACOM pens are not compatible with ArtPad II tablets. Your ArtPad II graphic tablet came with the Erasing UltraPen with DuoSwitch model UP-801E.

HOLDING THE PEN

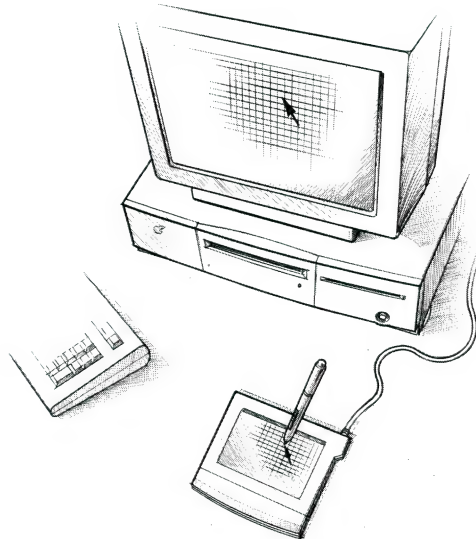
Hold the UltraPen as you would a pencil; that is, toward the tip. Make sure the side-switch is in a convenient location where you can toggle the rocker switch with your thumb or forefinger, but won’t accidentally press it while drawing.

POINTING

The pen controls a pointer on your screen.

Pointers have different shapes, such as an arrow or an I-beam, depending on the type of program you’re running.”

You can move the pointer on the screen by simply moving the pen to a new location on the tablet. The pointer instantly jumps to the new location (absolute positioning). This is better than pointing with a mouse where you must first find the pointer and then try to move it with a “pick up and roll” action (relative positioning).



CLICKING

Clicking means quickly tapping the tablet once with the tip of the pen, or touching the pen to the tablet with enough pressure to generate a mouse click. Double-clicking means quickly tapping the tablet twice in the same place. Make sure to hold the pen in a vertical position so that you press downward on the tip—not on the side of the tip. You may find it easier to use the side switch that is set to double-click automatically when pressed.

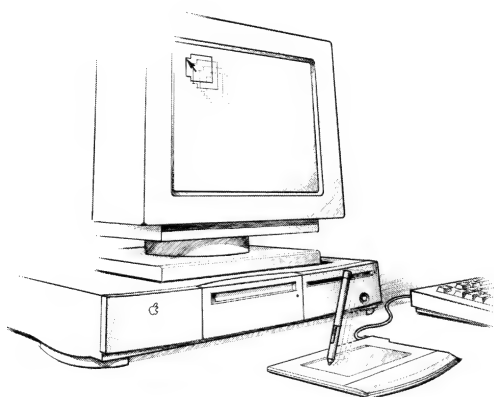
Usually you click to highlight or select something on the screen and double-click to open it.



DRAWING

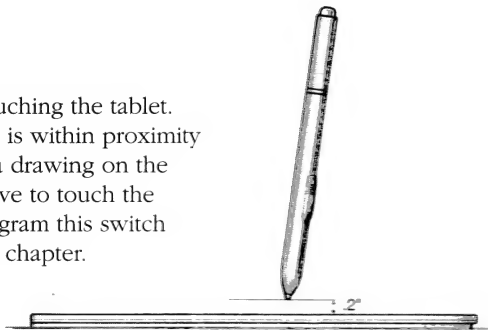
Dragging means moving a selected (highlighted) object on the screen by pressing and moving the pen. To drag, point to the object, then press the pen to the tablet and move the pen in the desired direction.

You can use the dragging technique to select text, too. Move the pointer to the beginning of the text you want to select and drag the pen across the tablet until the text is selected.



PROXIMITY

You can position the screen pointer without actually touching the tablet. The tablet can recognize the pen's position whenever it is within proximity of the tablet's working area. That's why you can place a drawing on the tablet and trace over it with the pen. Also, you don't have to touch the tablet when you use the side switch. You'll learn to program this switch for double-clicking and other useful actions later in this chapter.



DRAWING WITH ULTRAPEN SENSITIVITY

Many of your favorite graphics applications have pressure-sensitive drawing tools. UltraPen sensitivity means the pen is responsive to the nuances and inflections of your hand movements. It's this sensitivity that allows you to create more natural-looking pen and brush strokes. And you can vary the width and other characteristics of brushes without manually changing tools.

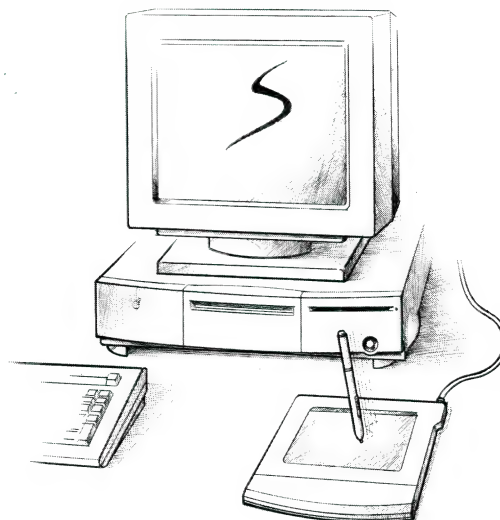
In Fractal Design Painter you use sliders to vary brush characteristics (width, color, jitter, opacity, and graininess). All of these characteristics can be controlled in a more natural way by the UltraPen's pressure sensitivity. For example, you can vary line width, blend colors, and change opacity with pressure.

IMPORTANT

The side switch does not activate UltraPen-sensitive drawing; you'll learn how to make the side switch simulate keystrokes or the mouse button later in this chapter.

PRESSURE

To draw with pressure sensitivity, select a pressure-sensitive tool from your tool palette. Then touch and drag the pen along the surface of the tablet, applying various amounts of hand pressure downward on the tip of the pen. Press hard to get thick lines or dense color. Press gently to get thin lines or softer color.



While ArtPad II can keep up with your fastest strokes, your application may not. Faster computers allow the application to do a better job of keeping up with data coming from the tablet. So the faster your computer, the better ArtPad II performs. The only limitation to using less powerful computers is that you may have to wait a few moments for the strokes to appear.

ERASING WITH EASE

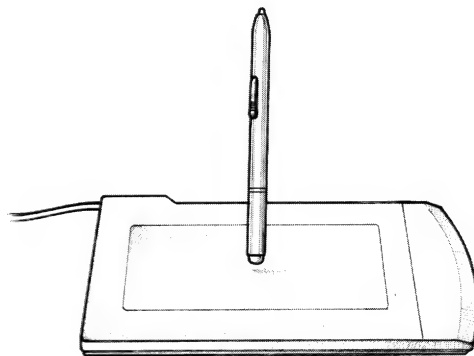
To err is human, but to erase is divine! WACOM brings you the unique ability to erase online. The eraser on the UltraPen works like the eraser on a pencil. Now, in graphics applications that support the Erasing UltraPen, you can erase intuitively and naturally—without manually selecting another tool.

In applications that don't support the Erasing UltraPen, the eraser lets you select and delete text or cells with one stroke. In one motion you press to select, then at the end of the selection, lift the eraser off the tablet to delete the selection.

Depending on the application, the eraser-end of the pen doesn't have to be used as an eraser; it may be assigned to any of the tools in your graphics application. The UltraPen then becomes two tools in your hand that you can quickly and easily switch between. For example, you can Dodge with the tip and Burn with the eraser.

The eraser is pressure-sensitive, too. You get a similar responsiveness with the eraser that you do with the drawing tip of the UltraPen. So tools assigned to the eraser also have natural looking pen and brush strokes.

You'll find instructions for setting up the Erasing UltraPen for both eraser-aware and non-eraser aware applications in "Adjust Eraser Sensitivity" on page 24.



Depending on your eraser-aware application, the eraser may work in different ways—the application may automatically switch to the last tool selected with the eraser or automatically switch to the eraser tool. See your application manual for more functionality information.

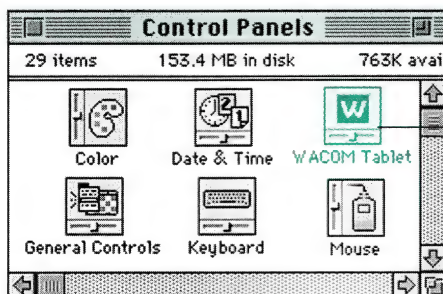
IMPORTANT

Many applications may support the Erasing UltraPen but may not document this functionality. Refer to the Read Me First file on your WACOM Tablet Driver disk to see which applications are supported and how.

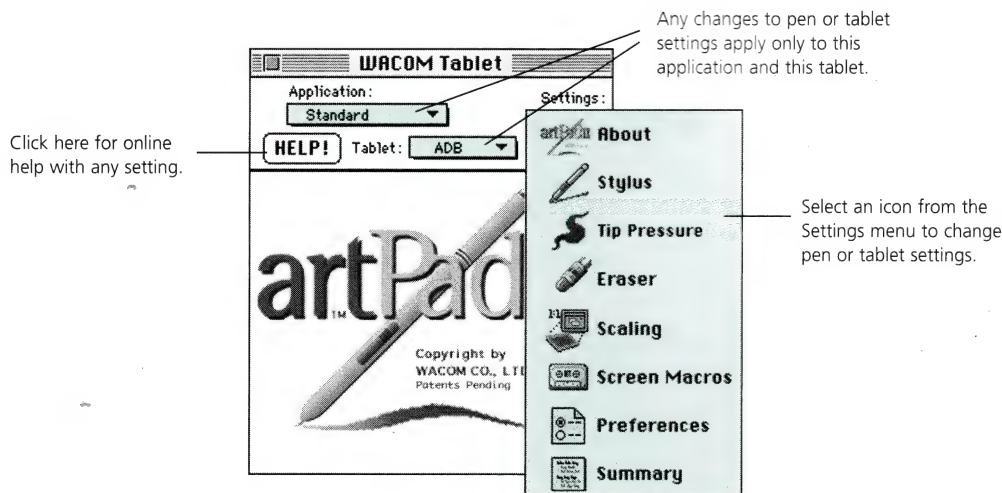
OPEN THE WACOM CONTROL PANEL

Now you're ready to learn how to customize your pen and tablet. This is easy from the WACOM Tablet control panel.

- 1 From the Apple menu, choose Control Panels.
- 2 Double-click the WACOM Tablet icon. You'll see the WACOM Tablet control panel.



The Settings icon in the WACOM Tablet control panel displays a menu that allows you to customize your pen and tablet. And you can customize ArtPad II for each of the applications you use. The WACOM Tablet control panel tells you to which application and tablet your custom settings apply. Always make sure you see the application and tablet you're working on in the control panel. For more information, see “Customize ArtPad II for Different Applications” on page 40.



CUSTOMIZE THE PEN

While the default factory settings are fine for most users, you may want to fine-tune the pen settings for the way you like to work. You can make single- or double-clicking easier. You can define the side switch to work like a keyboard key or like a mouse button. You can also adjust the feel of the pen tip for drawing pressure-sensitive lines.

MAKE CLICKING EASIER

Clicking is used to select icons, display pull-down menus, and position the pointer in text. To click with a pen, you simply position the pointer on the screen and tap the tablet. You can adjust the pen's sensitivity to how hard or soft you like to tap.

1 Select the Tip Pressure icon from the Settings menu in the WACOM control panel.

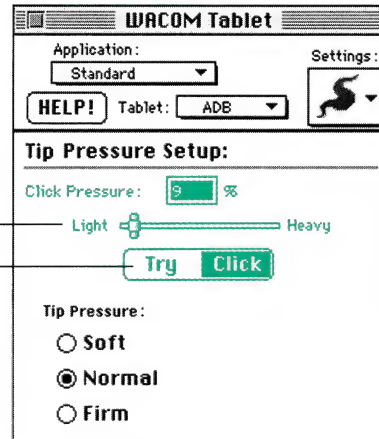
2 From the Tip Pressure Setup box, set the amount of pressure needed to click:

- Point to the Click Pressure slider.
- Drag the slider to your desired position or type a number in the % box. The default setting is 5%.

3 Click the Try Click button and readjust the slider until you're happy with the response.

Customize the amount of pressure needed to click with the pen.

Experiment to find the pressure you like.



IMPORTANT

Remember, changes to pen or tablet settings apply only to the application and tablet displayed in the Application and Tablet menus.

Hint: A Light Click Pressure provides a wider range of pressure values for most pressure-sensitive applications.

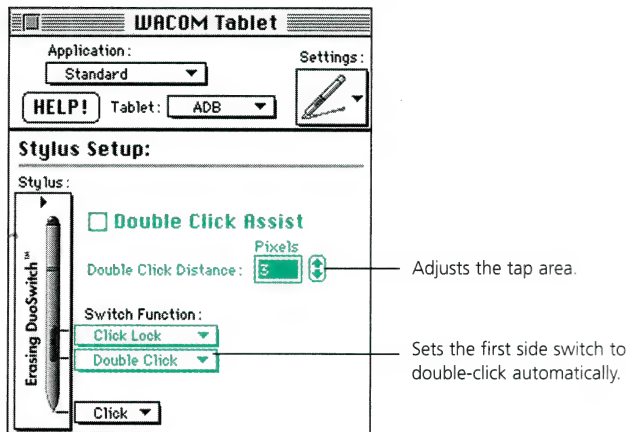
Hint: Set Click Pressure to the lowest setting when working in pressure-sensitive applications.

Double-clicking with a pen is somewhat different than with a mouse. The computer expects you to quickly tap the tablet twice in the same screen pixel. You can make double-clicking easier in two ways: either expand the tap area that accepts a double-click, or set one of the pen's side switches to automatically double-click when pressed.

- 1 Select the Stylus icon from the Settings menu in the WACOM control panel.
- 2 From the Stylus Setup box, try one (or more) of the following.
 - **To expand the tap area in non-pressure applications**, turn on Double Click Assist. If you're still having trouble, try increasing the Double-Click Distance. Experiment with the setting that works best for you. The default setting is three pixels.
 - **To set the side switch to double-click automatically**, from one of the Switch Function pull-down menus, make sure Double Click is selected. Now when you bring the pen tip in proximity without touching the tablet and press the side switch, a double-click will occur where you position the pointer.

I M P O R T A N T

In pressure-sensitive applications, deselect the Double Click Assist checkbox to avoid a delay while drawing lines. Otherwise the application waits for you to move the pen outside the tap area before starting to draw a line on the screen.



Double-Click Hint: You can make double-clicking easier from the Control Panels in the Apple menu. Double-click the mouse icon and select a slower double-click speed.

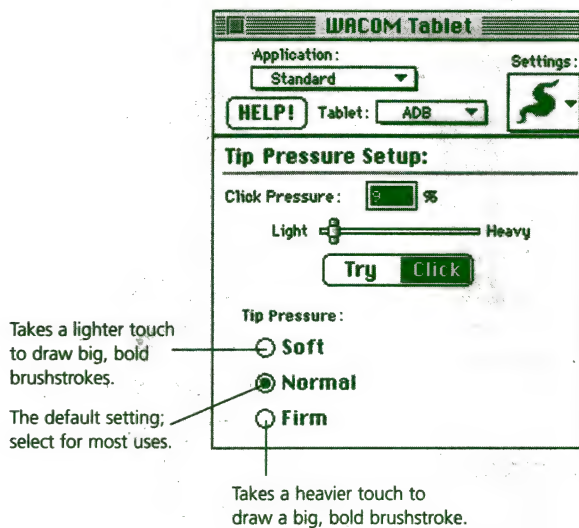
Microsoft Word Hint: Assigning the side switch to Double Click is very helpful for selecting a word.

ADJUST THE TIP PRESSURE SENSITIVITY

With one easy adjustment, the UltraPen will feel like your favorite writing pen or drawing tool. Think about the way you sign your name—are you heavy-handed or does the pen float across the page? You can set the pressure sensitivity of the UltraPen tip for a soft, normal, or firm hand.

To adjust the tip pressure sensitivity:

- 1 Select the Tip Pressure icon from the Settings menu in the WACOM control panel.
- 2 From the Tip Pressure Setup box, select one of the buttons under the words, “Tip Pressure.”



In some applications, a soft pressure sensitivity setting can make the pen overreact—any small press on the pen is magnified on the screen. In a case such as this, try selecting the Normal or Firm option.

Hint: When drawing with a pressure-sensitive tool in an application such as Macromedia FreeHand, you'll have more control with the Firm pressure option. However, in applications such as Fractal Design Painter you may prefer the feel of the Soft pressure option.

ADJUST ERASER SENSITIVITY

Applications that support the Erasing UltraPen are called *eraser aware*. These applications take advantage of the Erasing UltraPen in different ways, depending on what makes sense for that application. For example, they may automatically switch to their eraser tool when you use the eraser end of the pen. Eraser-aware applications can take advantage of the pressure-sensitivity of the Erasing UltraPen. This means you can erase naturally and expressively—without changing tools.

IMPORTANT

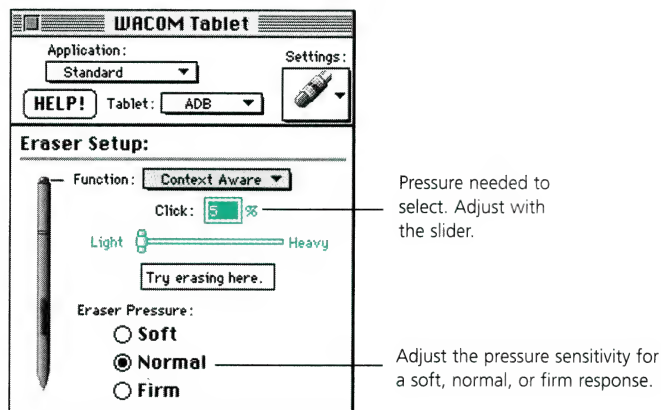
Many applications may support the Erasing UltraPen but may not document this functionality. Refer to the Read Me First file on your WACOM Tablet Driver disk to see which applications are supported and how.

You can use the Erasing UltraPen in non-eraser aware applications, too. When the pointer takes the shape of an I-beam, a thin cross, or a thick cross, the eraser end of the pen can select and erase text or objects with one stroke. In one motion you press and drag to select, then at the end of the selection, lift the eraser off the tablet to erase that selection.

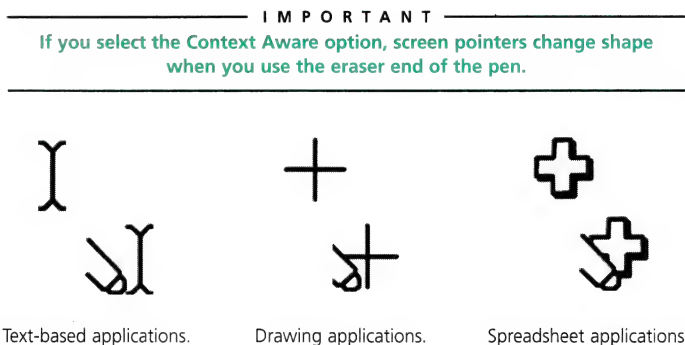
In all applications you can configure the eraser end of the pen as a keystroke, a modifier key, or to play back a macro. For example, when programmed as an Option key, you can use the eraser as an alternate tool. In this way you can use Adobe Photoshop to Dodge with the tip and Bum with the eraser.

To set up the eraser:

- 1 Select the Eraser icon from the Settings menu in the WACOM control panel. If the Eraser icon is grayed, select the Stylus icon in the Settings menu, select the Erasing UltraPen from the Stylus pull-out menu, then select the Eraser icon again.



- 2 From the Eraser Setup box, select one of these options in the Function pull-down menu.
- **Context Aware.** The default setting. ArtPad II automatically senses whether the screen pointer is over an object that can be erased. When ArtPad II sees an I-beam, a thin cross, or a thick cross—and the eraser comes into proximity—the Erasing UltraPen will delete whatever is selected. In this way you can use the eraser in non-eraser aware applications, as well as eraser-aware applications.
 - **Eraser Aware.** Select this option if you will use the Erasing UltraPen *only* in eraser-aware applications.
 - **Keystroke...** Simulates keyboard keys or keystroke combinations. A combination can include a single letter or function key (such as B or F3), plus any number of modifier keys (such as Shift, Option, Caps Lock, Control, or Command). Note that modifier keys must be pressed together with a letter key; for example, Command + S. Refer to “Simulate Keyboard Keys” on page 27 for more information.
 - **Modifiers...** Assigns modifiers alone. For example, assign the eraser to simulate any combination of the Shift, Option, Command, or Control modifier keys. Refer to “Simulate Keyboard Keys” on page 27 for more information.
 - **Macro...** Plays a macro that you previously created with a third-party macro application. Refer to “Play Back a Macro” on page 31 for related information about macros.
- 3 Adjust the amount of Click pressure required to make a selection with the eraser. Drag the Click slider to your desired position or type a number in the Click % box. Try erasing some text in the text box to find the setting you like best.
- 4 To adjust the pressure sensitivity of the eraser for Soft, Normal, or Firm response, select one of the buttons under the words, “Eraser Sensitivity.”

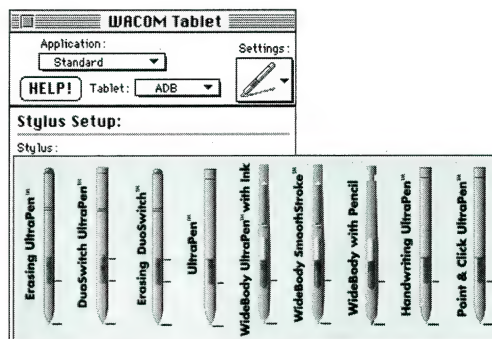


Hint: In non-eraser aware applications, configure the eraser end of the pen to cut or copy, and configure the side switch to paste. The eraser is also useful when set to Undo (Command + Z).

SELECT ANOTHER TYPE OF PEN

WACOM offers a portfolio of optional UltraPens that you can buy to enhance the way you work. All UltraPens will work with any ArtPad II tablet. Your tablet came with the Erasing UltraPen. The finer points of all WACOM accessories are discussed in detail on page 12.

- 1 Select the Stylus icon from the Settings menu in the WACOM control panel.
- 2 Click and hold the pen graphic in the Stylus box. Then select your pen. If you are using more than one UltraPen, select the pen in the Stylus box that has the most functionality; the pens with the most features are on the left, the least features are toward the right.



- **Erasing UltraPen (UP-701E).** This pen must be selected to access the Eraser icon in the Settings menu. See “Adjust Eraser Sensitivity” on page 24 to set up the eraser and adjust its pressure sensitivity for soft, normal, or firm response.
- **DuoSwitch UltraPen (UP-801).** This pen gives you an extra side switch to use to play back macros, generate keystrokes, or use modifier keys. The second side switch is especially useful for switching between two tools or for streamlining repetitive tasks. When this option is selected, you’ll see a second Switch Function pull-down menu.
- **Erasing UltraPen with DuoSwitch (UP-801E).** This pen supports the features of the Erasing UltraPen and DuoSwitch UltraPen in a single easy-to-use pen. When this pen is selected, some functions on the second side switch will not be available and are greyed out. Also, when this pen is selected, the pen tip must be in proximity before pressing the second side switch. Otherwise the pen tip will behave like an eraser.
- **UltraPen (UP-201).** Select this pen if you use the original UltraPen.
- **WideBody UltraPen with Ink (UP-401).** This is for people who prefer a heftier pen. In addition, the inking cartridge lets you see what you’ve drawn at your pen tip.
- **WideBody UltraPen with SmoothStroke (UP-421).** This hefty pen gives you visual *and* tactile feedback. The pen tip travels approximately 1 mm when the pen is pressed—just enough to give physical feedback in your hand.
- **WideBody UltraPen with Pencil (UP-501).** This pen works just like a mechanical pencil. (*Discontinued*)
- **Handwriting UltraPen (UP-211).** Use this soft pressure-sensitive pen with handwriting and gesture recognition software.
- **Point and Click UltraPen (UP-421).** Use this non-pressure pen primarily as a pointing device for menu selection and editing. (*Discontinued*)

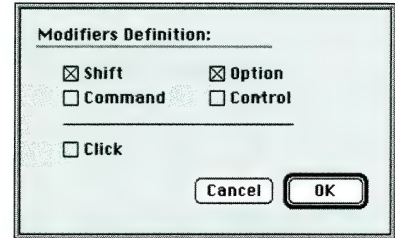
To order additional pens and other accessories, refer to the Accessories Sheet that came with ArtPad II.

SIMULATE KEYBOARD KEYS

In your favorite software applications, you probably use some keyboard keys to help you work faster. You can set the side switch or the eraser on the pen to simulate the Shift, Option, Command, or Control modifier keys. You can also simulate keystroke combinations.

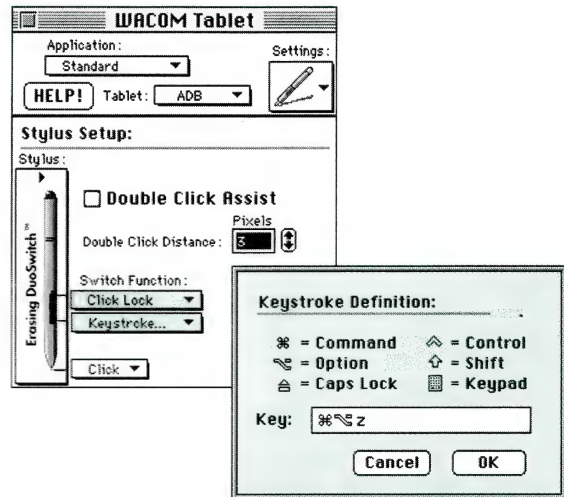
To set the side switch to simulate a modifier key:

- 1 Select the Stylus icon from the Settings menu in the WACOM control panel.
- 2 From the Stylus Setup box, select Modifiers... in the Switch Function pull-down menu.
- 3 From the Modifiers Definition dialog box, select one or more modifier keys and click OK. Now, when the pen tip is in proximity without touching the tablet and you press the side switch, the modifier function(s) will occur.



To set the side switch to simulate a keystroke combination:

- 1 Select Keystroke... in the Switch Function pull-down menu.
- 2 From the Keystroke Definition box, press the keys on the keyboard that you want to simulate.
- 3 Click OK. Now, when the pen tip is in proximity without touching the tablet and you press the side switch, that key combination will occur.



The keystroke combination can include a single letter or function key (such as F3), plus any number of modifier keys (such as Shift, Option, Caps Lock, Control, or Command). Note that modifier keys must be pressed together with a letter key; for example, Command + S.

Hint: Use keystroke combinations to quickly execute menu shortcuts.

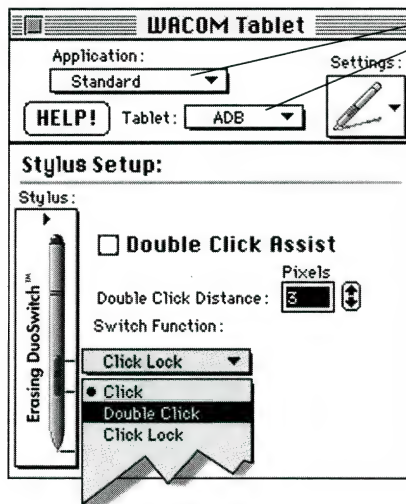
Hint: If you have an unsupported macro application (not QuickKeys 2 or Tempo), set the side switch to trigger these macros with a keystroke combination.

SIMULATE MOUSE BUTTONS

In your favorite software applications, you frequently use the mouse button while working. You can also set the side switch on the pen to simulate a single click or double click, or to simulate locking the mouse button.

1 Select the Stylus icon from the Settings menu in the WACOM control panel.

2 From the Stylus Setup box, select either Click, Double Click, or Click Lock in the Switch Function pull-down menu.



Now, when you bring the pen tip in proximity without touching the tablet and press the side switch, that mouse button function will occur. You can disable the side switch at any time by selecting Ignored in the Switch Function pull-down menu.

IMPORTANT

When the Erasing UltraPen with DuoSwitch is selected, the following options will be greyed out for the second side switch: Click, Modifiers, Macro, Screen Macro, and Pressure Hold. These options are available only on the first side switch.

Hint: When Click Lock is selected, pressing the side switch once has the same effect as holding down the mouse button; pressing the switch again will simulate releasing it.

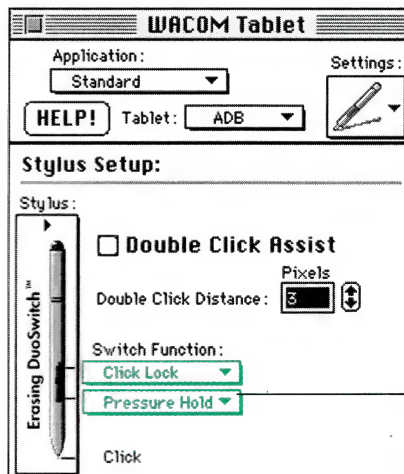
Hint: Double Click is very useful when selecting text in word processing applications.

LOCK THE PEN PRESSURE LEVEL

When using a pressure-sensitive tool in an application, you may want to lock the pressure at a constant level. For example, when using the airbrush tool in Fractal Design Painter, the pen pressure controls the paint density. For this kind of work, you can assign the side switch on the pen to hold the tip pressure at a constant level.

1 Select the Stylus icon from the Settings menu in the WACOM control panel.

2 From the Stylus Setup box, select Pressure Hold in the Switch Function pull-down menu.



3 Press the pen on the tablet until you have the desired pressure. Then press the side switch. The pressure stays locked at this level until you release the side switch.

IMPORTANT

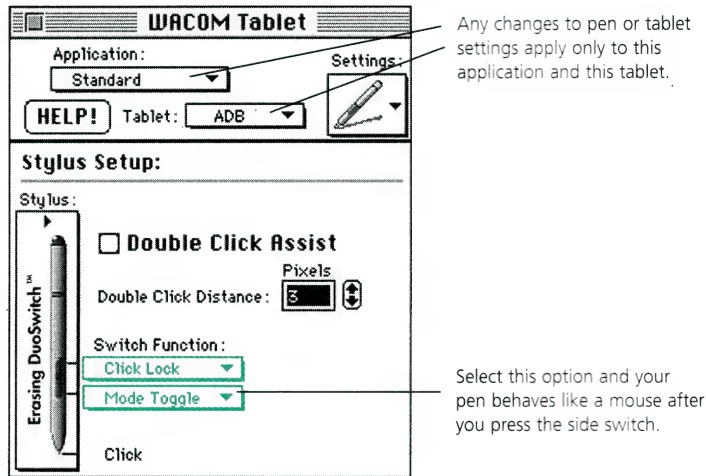
Remember, changes to pen or tablet settings apply only to the application and tablet displayed in the Application and Tablet menus.

TOGGLE BETWEEN PEN-LIKE AND MOUSE-LIKE MOVEMENT

The absolute positioning of the pen is ideal for sketching and drawing. Yet sometimes you may want to temporarily “mouse around” to select menu items, for example. You can set the side switch on the pen to toggle between the absolute positioning of the typical pen and the relative positioning of a mouse.

To set the side switch to toggle between pen and mouse mode:

- 1 Select the Stylus icon from the Settings menu in the WACOM control panel.
- 2 From the Stylus Setup box, select Mode Toggle in the Switch Function pull-down menu. Now briefly pressing the side switch will switch the tablet to relative mode for “mouseing” around with the pen. To toggle back to pen-like drawing, press the side switch again.



Hint: When you choose to display only a Portion of Display (from the Scaling window, described on page 36), it is useful to set the side switch to Mode Toggle. Then you can toggle between absolute positioning for drawing or tracing and relative positioning for reaching other parts of the display.

Hint: To “mouse” around on a more permanent basis, choose the Relative option from the Aspect pull-down menu in the Scaling Setup box (described on page 38).

PLAY BACK A MACRO

If you've created macros with a third-party macro application, you can set the side switch or the eraser to play back a macro.

IMPORTANT

Before you can play back a macro, you must first create the macro with a third-party macro application, such as QuickKeys 2 or Tempo.

- 1 Select the Stylus icon from the Settings menu in the WACOM control panel.
- 2 From the Stylus Setup box, select Macro... in the Switch Function pull-down menu. You'll see the Select a Macro dialog box.
- 3 Select the kind of macros you want to display in the list by clicking one or more of the radio buttons.
- 4 Select a macro from the list and click OK. Now, when you bring the pen tip in proximity without touching the tablet and press the side switch, that macro will play.

This is the application name that appears in the Select a Macro dialog box.

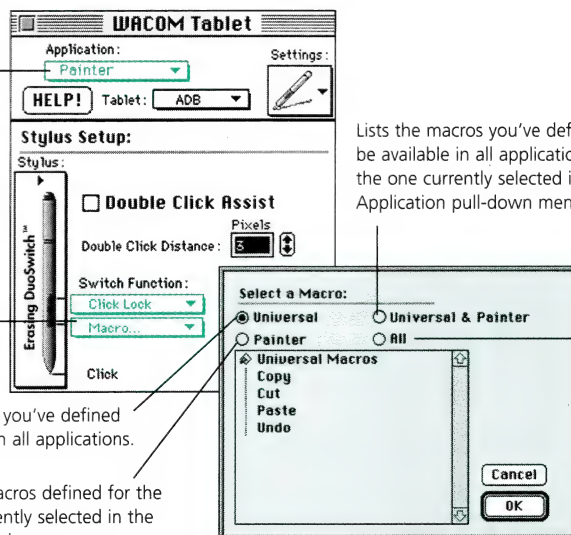
Select this option to display the Select a Macro dialog box.

Lists the macros you've defined to be available in all applications.

Lists only the macros defined for the application currently selected in the Application pull-down menu.

Lists the macros you've defined to be available in all applications and the one currently selected in the Application pull-down menu.

Displays all the macros.



For more information about displaying different applications in the Application menu, see “Customize ArtPad II for Different Applications” on page 40.

ArtPad II lets you display a pop-up menu of macros created with a third-party macro application. You can press the side switch, click a macro name, and play back the macro—without taking your eyes off the screen.

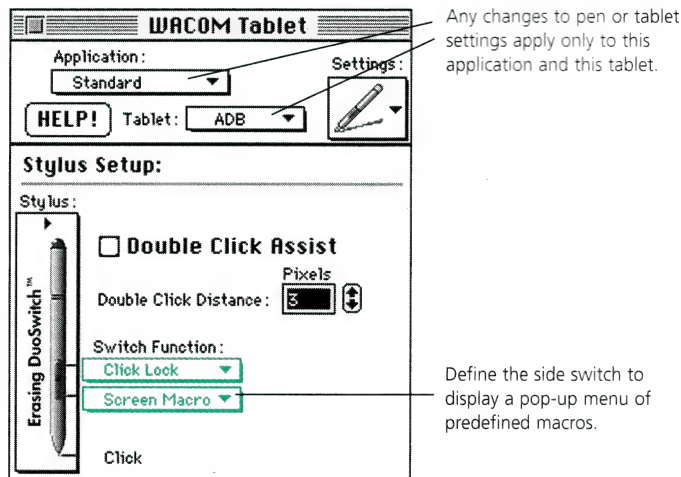
You can also add macros to the list, change the way the list displays, and remove macros from the list.

IMPORTANT

Before you can use screen macros, you must first create the macros with a third-party macro application, such as QuickKeys 2 or Tempo.

To display a pop-up menu of screen macros:

- 1 Select the Stylus icon from the Settings menu in the WACOM control panel.
- 2 From the Stylus Setup box, select the Screen Macro option from the Switch Function pull-down menu. If you haven't previously defined and added macros to the list, you'll see a reminder message. Go on to the next procedure on page 33, "To add macros to the list."
- 3 Now, to play back a macro, simply bring the pen in proximity without touching the tablet and press the side switch. You'll see a pop-up menu listing your predefined macros. Then click the name of the macro you want to play back.



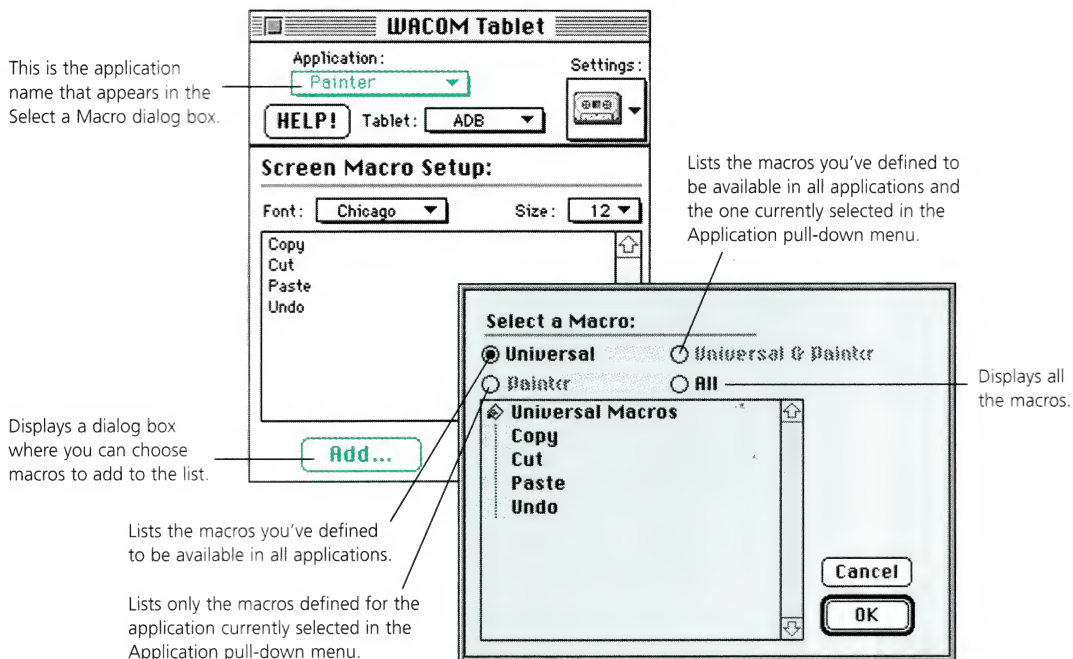
Hint: Use screen macros to simplify complicated procedures, such as applying complex filters and effects.

To add macros to the list:

- 1 Select the Screen Macro icon from the Settings menu in the WACOM control panel.
- 2 From the Screen Macro Setup box, click the Add... button. A dialog box displays a list of pre-defined macros.
- 3 Choose the kind of macros you want to display in the list by clicking one or more of the radio buttons.
- 4 Click the macro you want to add. To select more than one macro, you can either click additional macros, shift-click to select a range of macros, or click a group name to select all the macros in that group. Then click OK.

IMPORTANT

Make sure you're adding a macro for the correct application and for the tablet you're using.



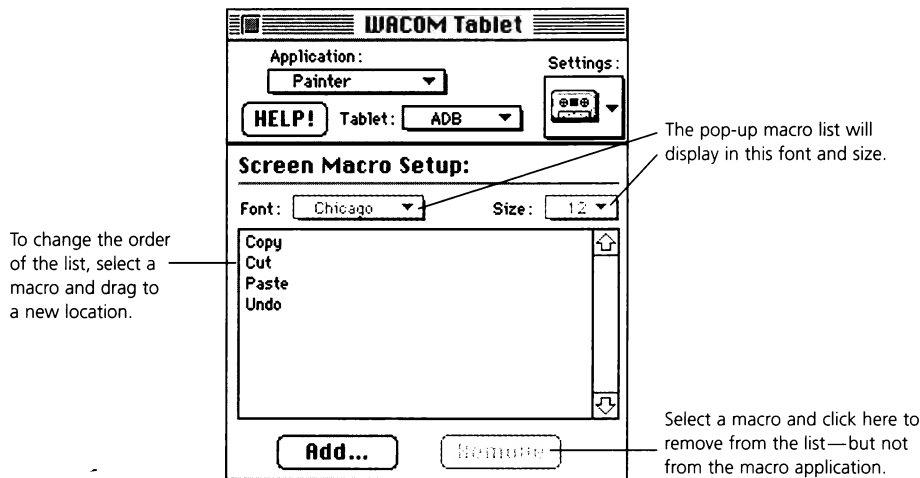
For more information about displaying different applications in the Application menu, see "Customize ArtPad II for Different Applications" on page 40.

To change the order of macros in the list:

- 1 Select the Screen Macro icon from the Settings menu in the WACOM control panel.
- 2 From the Screen Macro Setup box, select the macro name you want to move and drag it to the new location.

To remove a macro from the list:

- 1 Select the Screen Macro icon from the Settings menu in the WACOM control panel.
- 2 From the Screen Macro Setup box, select the macro name you want to remove. You can select more than one.
- 3 Click the Remove button. The macro name disappears from the list, but remains active in the macro application.



Hint: You can also define the side switch to play back a specific macro; see page 31.

Hint: Move the macros you use most often to the middle of the displayed list because the pop-up menu always opens to the middle of the list.

CUSTOMIZE THE TABLET

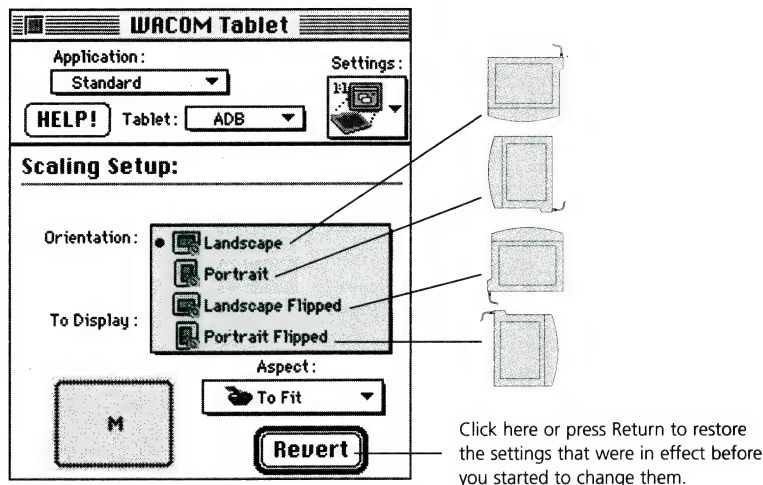
While the default factory settings are fine for most users, you may want to **fine-tune** the tablet settings. Think of the tablet as a mapped representation of your monitor's screen. Even though the tablet has a different size than your screen, it is *scaled* to represent the entire screen.

In this section, you'll learn how to change the orientation of the tablet and change the relationship between the tablet and your screen. You can also choose from a list of preferences, and view a summary of the custom settings for each of your applications.

CHANGE THE ORIENTATION OF THE TABLET

You can change the orientation of the tablet from horizontal (landscape) to vertical (portrait). This is useful if you have a tall monitor or you're working on a wide spreadsheet, for example. You can even change the orientation of the cord to the most comfortable position—on the top or bottom, left or right side.

- 1 Select the Scaling icon from the Settings menu in the WACOM control panel.
- 2 From the Scaling Setup box, select an option from the Orientation pull-down menu.
- 3 Turn your tablet accordingly and point to the new "top" of the tablet. Make sure the pointer is at the top of the screen.



CHANGE THE TABLET-TO-SCREEN RELATIONSHIP

When you want to trace your original artwork into the computer, or if you want to adjust the screen pointer speed, you'll need to change the relationship between your tablet and the monitor screen. This is called *scaling* the tablet and you can do this through the WACOM control panel.

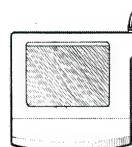
By default, the tablet is scaled so that the entire working surface of the tablet represents the entire screen. When you define a different tablet-to-screen relationship, you must complete both of the following procedures (or use the default settings).

- 1 Select the screen area.
- 2 Define the constraints of the relationship.

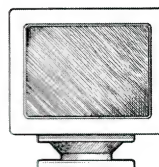
1 To select the screen area:

You may be working on a drawing or document that doesn't fill the entire screen area. You can make the entire working surface of the tablet cover only the drawing or document area—not the entire screen.

- 1 Select the Scaling icon from the Settings menu in the WACOM control panel.
- 2 From the Scaling Setup box, select an option from the To Display pull-down menu.
 - **To map the entire surface of the tablet with the entire screen area**, select the Entire Display option. This is the default setting.
 - **To map the entire surface of the tablet with a part of the screen area**, select the Portion of Display option. Go on to step 3 on the next page.



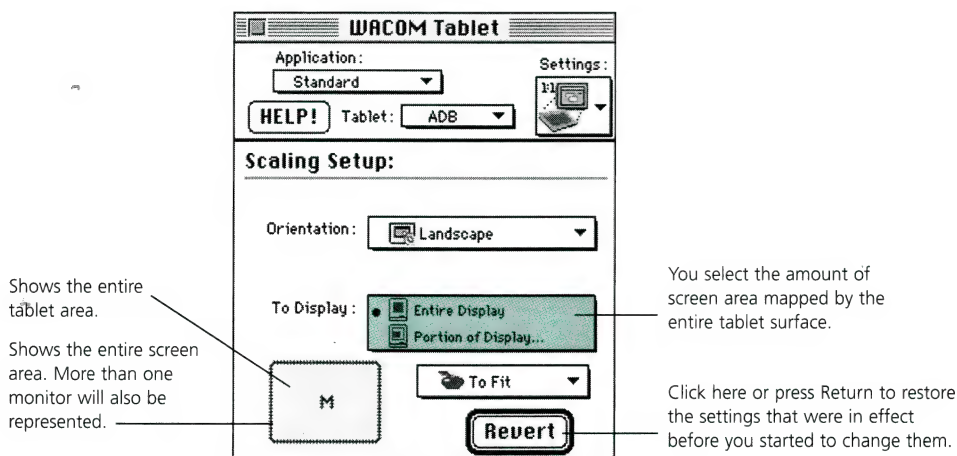
ArtPad II active area.



ArtPad II represents the Entire Display.



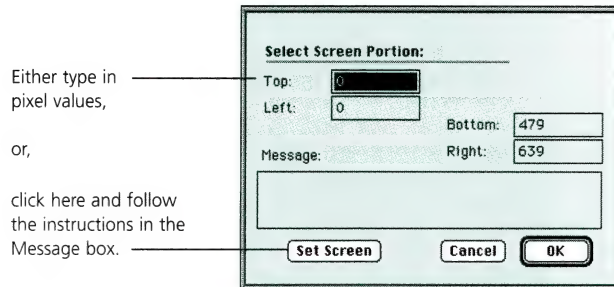
ArtPad II represents a Portion of the Display.



If you have more than one monitor connected to your computer, ArtPad II lists each one in the To Display pull-down menu. As the default, the tablet will map to the entire display area of all monitors.

3 Select a method for mapping the screen area. The total area must be larger than approximately 0.5" x 0.5."

- **To select manually**, type in values for the top left and bottom right corners of the screen. Values are measured in pixels.
- **To select with the pen**, click Set Screen and follow the instructions in the Message box.



I M P O R T A N T

Remember, if you choose **Portion of Display** and then can't move the pointer where you want to, click the **Revert** button on the **WACOM control panel** with your mouse or press **Return**. This will restore the settings that were in effect before you started to change them.

4 Go on to the next procedure, "Define the tablet-to-screen constraints."

You may see a warning message every time you choose the Portion of Display option. This reminds you that parts of the screen will no longer be available. See "To set up preferences" on page 39 to disable this warning message.

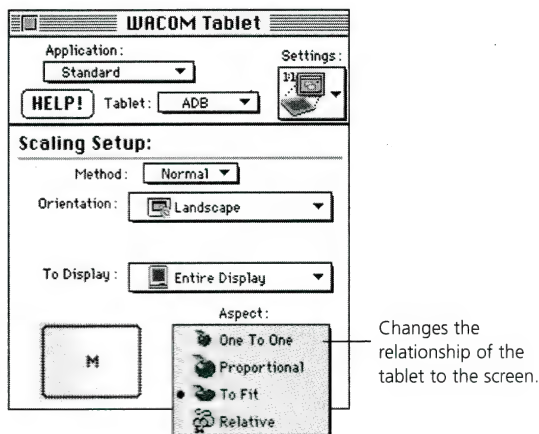
When you select the Portion of Display option, you can always reach the rest of the screen with your mouse. You can also set the side switch to toggle between absolute positioning (pen-like movement for drawing and tracing) and relative positioning (mouse-like movement for reaching the menu bar, for example, on the screen). From the Pen Setup window, select the Mode Toggle option from the Switch Function pull-down menu, as described on page 30.

2 To define the tablet-to-screen constraints:

You can change the constraints of the tablet-to-screen relationship. This is called *aspect*. For example, by selecting “Proportional,” the vertical to horizontal aspect ratio of the tablet is adjusted to match that of your monitor, so you can trace perfect circles.

1 Select the Scaling icon from the Settings menu in the WACOM control panel.

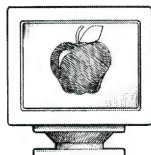
2 From the Scaling Setup box, select an option from the Aspect pull-down menu.



Place an image on the tablet, such as a photograph of an apple, and trace over it with the UltraPen to quickly create a graphic online.



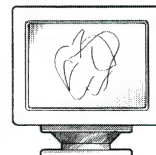
To Fit. The entire area of the tablet maps to the entire area of the screen—no matter what size monitor you have. So a traced apple may appear stretched on the screen.



Proportional. An apple traced on the tablet is proportionally correct, but may appear larger or smaller on the screen.



One To One. One inch on the tablet equals one inch on the screen (not a printed page). So a traced apple displays in exactly the same size and shape on the screen.



Relative. The pen positions and moves the pointer the same way a mouse does—which is not accurate for tracing.

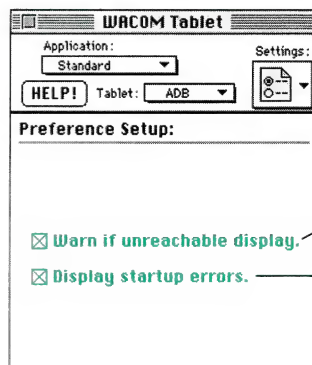
By default, the One To One option maps the entire tablet surface to an area in the upper left corner of the screen. If you want your tablet mapped to a different area of the screen, select Portion of Display from the To Display pull-down menu.

Hint: When you select Proportional Aspect, it's a good idea to also select the Entire Display option in the To Display pull-down menu.

WACOM gives you several options for further customizing the tablet. You can select preferences for displaying warning messages and view a summary of all application-specific settings for ArtPad II and the UltraPen.

To set up preferences:

- 1 Select the Preferences icon from the Settings menu in the WACOM control panel.
- 2 From the Preferences Setup box, select any or all of the options by clicking the boxes. To turn off an option, click the box again so that the check mark disappears.



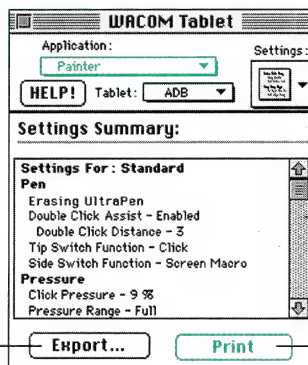
Causes a warning message to display every time you change the display area to only a portion of the display.

Causes warnings of startup problems, such as no tablet installed.

If your computer is a server or has a fax/modem, you should deselect the Display Startup Errors option. This allows startup to complete quickly—without tying up your computer by displaying errors and waiting for a reply.

To display a summary of all ArtPad II settings:

- 1 Select the Summary icon from the Settings menu in the WACOM control panel. You'll see the Settings Summary box.
- 2 From the Application pull-down menu, select an application. You'll see a list of the settings for that application.



Scroll to view all the settings.

Saves displayed settings to a TeachText file. This file can be a useful reference.

Prints a summary of all ArtPad II settings.

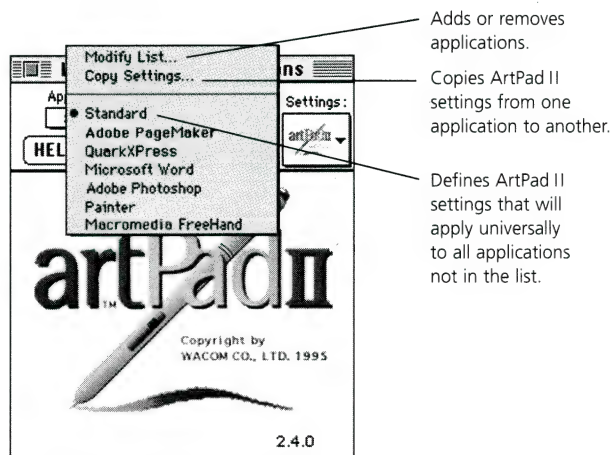
Advanced users may want to customize ArtPad II and the UltraPen for each of the software applications you use. For example, when using Microsoft Word you may want your pen side switch set to double-click. When using Adobe Photoshop, you'll want to set Click Pressure to the lowest setting and turn off Double Click Assist. Or you may want to set the tablet orientation to vertical for documents and to horizontal for drawings.

The Application pull-down menu in the WACOM Tablet control panel allows you to define different pen and tablet settings for each of the applications you use with ArtPad II. Any changes to the settings apply only to the application selected in this menu.

If you want to use the same settings with all or most of your applications, choose Standard from the Application menu and define these universal settings first. Later you can add up to 15 individual application settings, including one for the Finder, and define different pen and tablet settings for each one of them. The Standard settings will continue to apply to all your applications not listed in the Application menu.

To customize the pen or tablet settings for specific applications, you must first add them to the application list, as described in the following procedure, "To add an application setting." Later you can copy ArtPad II settings from one application to another and you can remove application settings from the list (but not from your computer) anytime you want.

If more than one tablet is installed, the Tablet menu indicates which tablets are available and allows you to choose the tablet you want to configure with new settings. You can use as many tablets as you can connect to your computer.



To add an application setting:

- 1 Pull down the Application menu in the WACOM Tablet control panel and select Modify List... (you may need to scroll up to see this option).
- 2 From the Modify Application List dialog box, click Add... In the dialog box that displays, move to the folder where you keep your applications.
- 3 Select an application and click Add. That application name will appear in the Modify Application List dialog box. Repeat steps 2 and 3 until you've added all the applications you want.

IMPORTANT

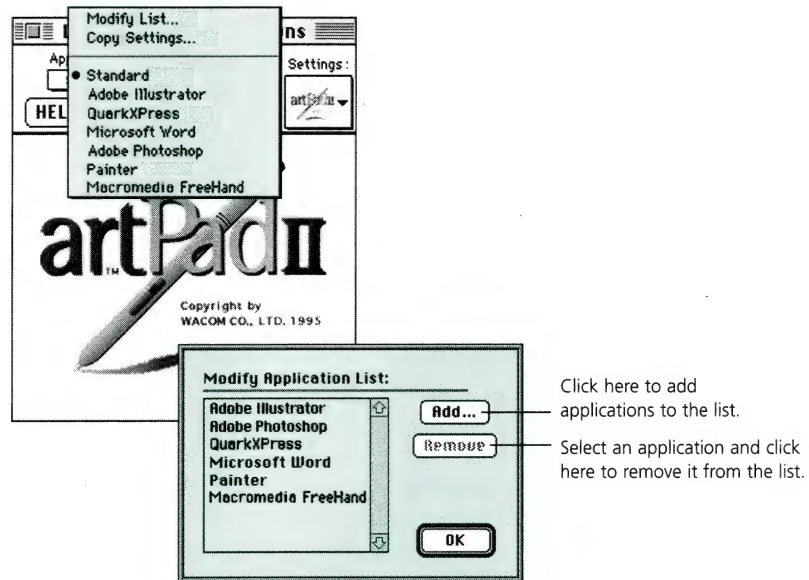
Remember, changes to pen or tablet settings apply only to the application and tablet displayed in the Application and Tablet menus.

To remove an application setting:

- 1 Pull down the Application menu in the WACOM Tablet control panel and select Modify List... (you may need to scroll up to see this option).
- 2 From the Modify Application List dialog box, select the application you want to remove and click Remove.
- 3 Repeat step 2 until you've removed all the applications you want. Then click OK.

To apply ArtPad II settings to a specific application:

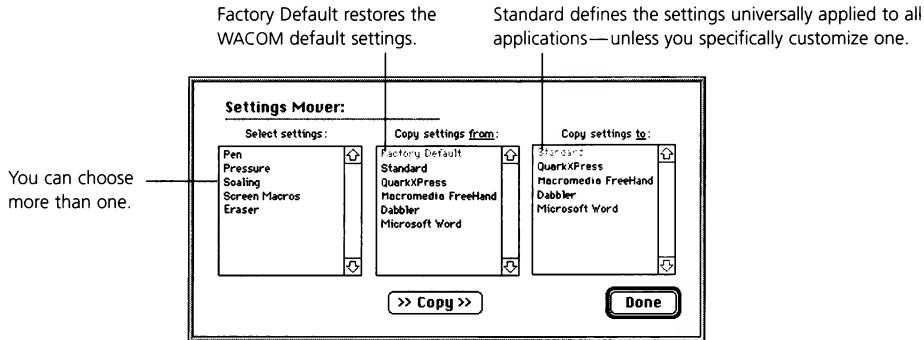
- 1 Pull down the Application menu in the WACOM Tablet control panel.
- 2 Select an application from the list. That application will be selected in the Application menu. Now, any changes you make to pen or tablet settings will apply only to this application.



To copy settings from one application to another:

Notice that you can use this procedure to return the tablet or pen to factory default settings.

- 1 Pull down the Application menu in the WACOM Tablet control panel and select Copy Settings... (you may need to scroll up to see this option).
- 2 From the Settings Mover dialog box, select the Pen, Pressure, Eraser, Scaling, or Screen Macro settings you want to copy. You can choose more than one.



- 3 Choose the source application for the new settings in the Copy Settings *from* box. (Select only one source at a time).
- 4 Choose the destination applications for the selected settings in the Copy Settings *to* box. You can choose more than one destination application. Then click Copy.
- 5 Repeat steps 2–4 until you have copied all the settings you want. Then click Done.

The background of the page is a complex, abstract composition of overlapping, translucent shapes and patterns. These include wavy, organic forms, some with fine, parallel lines, and others with more irregular, textured patterns. The overall color palette is dark and monochromatic, with shades of grey, black, and white, creating a sense of depth and movement.

CHAPTER FOUR

REFERENCE

Useful information you
don't necessarily need for
your everyday use...but
may come in handy.

HAVING TROUBLE?

Most of the time your tablet will work flawlessly. But if you are having trouble, WACOM recommends you do the following.

- 1 Test the hardware and the software driver. Refer to “Testing the Tablet” below.
- 2 Look in the troubleshooting chart on page 46. Your problem may be described there and you can try the solution offered.
- 3 If you’re having a compatibility conflict between ArtPad II and a new hardware or software product, it may be helpful to download a new software driver. WACOM updates the software driver periodically to maintain compatibility with new hardware and software products. Refer to “How to Download Software Updates” on page 48.
- 4 Call WACOM for technical support. Refer to “Obtaining Technical Support” on page 49 for a pre-call checklist and telephone numbers for both online and offline support.

TESTING THE TABLET




If the WACOM Tablet driver failed to load properly, first perform the recommended action in the error message on your screen. If that doesn’t solve the problem, perform these tests to determine whether the source of the problem is the tablet hardware or a software conflict.

TESTING THE HARDWARE

Make sure your computer is turned on and ArtPad II is properly connected. Then try the following tests.

- 1 **Check power to the tablet.** You should see ArtPad II’s orange status light whenever the tablet is connected and your computer is on. If not, try the following.
 - Make sure all ADB cables are securely connected to an ADB port.
 - Connect ArtPad II directly to the computer; then connect other ADB devices into the ArtPad II ADB pass-through connector.
 - Try connecting ArtPad II to the ADB port on another computer.If the orange status light never came on, you may have a defective tablet. See “Obtaining Technical Support” on page 49.
- 2 **Check the pen.** Press the pen tip against the surface of the tablet. The status light on the tablet should turn from orange to green. Now, without applying pressure to the pen tip, press the side switch. The status light should again turn from orange to green. If not, you may have a defective pen or tablet. See “Obtaining Technical Support” on page 49.
- 3 **Check the tablet.** First disable the WACOM Tablet control panel by opening the Control Panels folder and dragging the WACOM Tablet control panel to the desktop. Restart your computer and touch the tablet with the pen tip. ArtPad II will be in mouse emulation mode, so the pointer should slide across the screen as you move the pen across the tablet. If the cursor does not move, you may have a defective pen or tablet. See “Obtaining Technical Support” on page 49. If the cursor does move, ArtPad II and UltraPen are functioning properly and you may have a software conflict. Move the WACOM Tablet control panel back into the Control Panels folder and restart your computer. Proceed to “Testing the Software.”

If you didn't find any problems with the tablet hardware, follow these steps to locate a possible software conflict.

- 1 Open the Control Panels folder from the System folder.
- 2 Double-click the WACOM Tablet icon. If the WACOM Tablet control panel opens, the software driver loaded properly. However, if you see the error message "The control panel can not run because the tablet driver is not loaded," the tablet driver is not loading into memory at startup. If you have already verified that the tablet hardware is working, the most likely cause is a conflict between the WACOM Tablet driver and another driver or extension in your Control Panels or Extensions folder.
- 3 Try changing the loading order of the WACOM driver. Place a space before the name "WACOM Tablet" in the Control Panels folder. This causes the WACOM Tablet driver to load earlier than other control panels. Restart your computer and watch for the WACOM Tablet successful startup icon. 
- 4 If the WACOM Tablet driver still doesn't load, locate the conflicting Extension in the System folder.
 - Go to the System folder and create a new folder titled, "Disabled Extensions." Drag your third-party extensions to this new folder.
 - Restart your computer. If you see the WACOM Tablet successful startup icon, you have a conflict with one of the extensions. If the WACOM driver still does not load, drag your third-party extensions back to the Extensions folder and delete the Disabled Extensions folder. Skip to step 5.
 - Start moving the extensions, a few at a time, from the Disabled Extensions folder back into the Extensions folder. Restart your computer and watch for the successful startup icon until you find the conflicting extension. After you locate the conflicting extension, return the rest of your extensions to the Extensions folder. If the conflicting extension is not required, leave it in the Disabled Extensions folder; otherwise check if an updated version of that extension is available, or contact WACOM Technical Support.
- 5 If the WACOM driver still does not load, locate the conflicting Control Panel.
 - Go to the System folder and create a new folder titled, "Disabled Control Panels." Drag your third-party Control Panels to this new folder.
 - Restart your computer. If you see the successful startup icon, you have a conflict with one of the Control Panels. If the WACOM driver still does not load, drag your third-party Control Panels back to the Control Panels folder and delete the Disabled Control Panels folder. Refer to "Obtaining Technical Support" on page 49.
 - Start moving the control panels, a few at a time, from the Disabled Control Panels folder back into the Control Panels folder. Restart your computer and watch for the WACOM Tablet successful startup icon until you find the conflicting control panel. After you locate the conflicting control panel, return the rest of your control panels to the Control Panels folder. If the conflicting control panel is not required, leave it in the Disabled Control Panels folder; otherwise check if an updated version of that control panel is available, or contact WACOM Technical Support.

TROUBLESHOOTING

GENERAL PROBLEMS

ArtPad II power light is not on.	Make sure the ArtPad II cable is securely connected to an ADB connector. If the power light still doesn't turn on, you may have a defective tablet. See "Testing the Tablet" on page 44. If ArtPad II is daisy-chained to another ADB device, make sure that all ADB connections are secure and that the computer power is on.
Double-clicking doesn't work.	<p>Make sure you are quickly tapping the tablet twice on the same screen pixel. Review the technique in "How to use the UltraPen" on page 16.</p> <p>Try turning on Double Click Assist and expanding the tap area. Refer to "Make Double Clicking Easier" on page 22.</p> <p>Make sure the double-click speed in the mouse control panel is not set too fast.</p>
The side switch doesn't work.	<p>Make sure you press the side switch when the pen tip is in proximity—don't tap the tablet at the same time.</p> <p>From the WACOM Tablet control panel Stylus Setup box, verify that the side switch is set to the proper function and that the proper application is selected in the Application pull-down menu.</p> <p>Make sure the ArtPad II power light turns green when you press the side switch. If it doesn't, you may have defective hardware; see "Obtaining Technical Support" on page 49.</p>
Can't move the pointer where you want to on the screen.	Go to the WACOM Tablet control panel and click the Scaling icon, then set the display to Entire Display.
When drawing on the tablet, the image on the screen appears stretched.	In the WACOM Tablet control panel, click the Scaling icon, then in the Aspect box, select the Proportional option.
When drawing on the tablet, the image on the screen is a different size.	In the WACOM Tablet control panel, click the Scaling icon, then in the Aspect box, select the One To One option.
Pen selects everything, won't stop drawing.	Try increasing the Click Pressure setting from the WACOM control panel, select the Tip Pressure icon and move the slider toward Heavy.
At startup, a dialog box appears telling you that either the driver failed to load or the tablet preferences have not yet been created.	The tablet was not detected at startup. Make sure all ADB cables are securely connected to an ADB port and that the status light on the tablet is orange. If this does not correct the problem, see "Testing the Tablet" on page 44.

APPLICATION-SPECIFIC PROBLEMS

In Adobe Photoshop or other drawing application, you notice a screen delay while drawing lines on the tablet.	Turn off Double Click Assist in the Stylus Setup box.
In Adobe Photoshop or Adobe Illustrator, you have to press hard before the pen will start to draw.	In the Tip Pressure Setup box, set Click Pressure to the minimum setting (5%).
In pressure applications, you don't have any pressure sensitivity.	If the software driver did not load properly, ArtPad II will still allow mouse-like pen movement; however, you won't be able to use the pressure sensitivity of the pen. Refer to "Testing the Tablet" on page 44 to check the operation of the driver.
In Adobe Photoshop or Adobe Illustrator, you don't have any pressure options.	Double-click a tool that uses pressure. The pressure options should display. If those options are dimmed, make sure the Pressure Support Plug-In is in your Adobe Photoshop or Adobe Illustrator Plug-Ins folder. For more information, see your Adobe Photoshop or Adobe Illustrator manuals.
In paint applications, the line you are drawing doesn't line-up with the location of the pointer.	The WACOM preferences file may be corrupted. From the System folder, open the Preferences folder and drag the WACOM Tablet Prefs file onto your desktop. Now restart your computer. When the WACOM driver loads, it will create a new preferences file with the factory default settings.

HOW TO DOWNLOAD SOFTWARE UPDATES

If you have a modem you can download the latest software driver from CompuServe, the Internet, or the WACOM bulletin board.

CompuServe. You can get technical support, software updates, and news about WACOM products through CompuServe. If you are already a member, type GO WACOM at any “!” prompt to access the WACOM Technology Section of the Pen Technology Forum on CompuServe.

If you're not a member, as a WACOM Technology customer you're entitled to a free introductory membership to CompuServe. This membership includes:

- Free access to all CompuServe Basic Services for one month.
- A \$15 introductory usage credit to explore the WACOM Technology Section of the Pen Technology Forum and other CompuServe Extended and Premium Services offerings.
- A private user ID number and password.
- A complimentary subscription to *CompuServe Magazine*, a monthly computing publication.

Start connecting online with WACOM Technology and other CompuServe members. In the United States, contact CompuServe at 800-524-3388 and ask for representative #366. Elsewhere, contact CompuServe at 614-529-1349 and ask for representative #366.

Internet. You can download the latest WACOM software drivers from the anonymous FTP site at wacom.com/pub/drivers/mac. The drivers are also available on the worldwide web at <http://wacom.com/drivers.html>. You can also send email to: support@wacom.com.

WACOM Bulletin Board Service. The WACOM bulletin board has the latest software drivers, helpful hints, technical notes, and new product information. This service is available 24 hours a day, seven days a week. You can access the bulletin board with your modem by calling 360-750-0638. Set your modem with the following parameters: 1200 to 14400 bps, 8 data bits, 1 stop bit, no parity.

The menu-driven bulletin board is easy to use. Simply follow instructions on the screen.

HOW TO REPLACE THE PEN TIP

The pen tip will wear with normal use. When the nib gets too short, you can replace it with the extra nib that came with your tablet.

- To remove the old nib, clasp it with tweezers and pull the old nib straight out of the pen.
- To insert a new nib, slide it straight into the barrel of the pen. Firmly push the nib until it stops. The new nib will slide into the correct position.

OBTAINING TECHNICAL SUPPORT

A PRE-CALL CHECKLIST

If you have a problem with your WACOM tablet, first check the Installation and Reference Chapters in this book to make sure the tablet is installed correctly.

If you cannot find the answer in this book, contact WACOM Technical Support. You might want to make extra copies of the form on this page. When you call, you should be at your computer with the following information available.

- ☐ *The WACOM User's Manual for ArtPad II*
- ☐ ArtPad II serial and model number (Look on the bottom of the tablet.) _____
- ☐ Driver version number (Select the WACOM Tablet icon in the Control Panel folder and choose Get Info, look on the WACOM disk, or look in the WACOM Tablet control panel.) _____
- ☐ The make and model of your computer _____
- ☐ Operating system version _____
- ☐ A list of the peripheral devices attached to your computer _____
- ☐ The application and version you were using when the problem occurred. _____
- ☐ The exact wording of any error message that appeared on your screen _____
- ☐ What happened and what you were doing when the problem occurred _____
- ☐ How you tried to solve the problem _____
- ☐ Have a Macintosh system disk for restarting your computer _____

WHO TO CALL

If you think your ArtZ II is not working properly, contact the WACOM support staff in your area.

USA, Canada, Central and South America

Phone: 360-750-8884 (USA)

FAX: 360-750-8924 (USA)

Internet email: SUPPORT@WACOM.COM

CompuServe email: 72662,2175

Worldwide Web: <http://www.wacom.com>

Support technicians are available during normal business hours (PST), Monday through Friday, excluding holidays.

24 hour automated mailback support.
A support technician will respond.
Frequently asked questions, troubleshooting information, and driver updates.

Asia Pacific

Contact your local distributor or:

Internet email: LEG01730@niftyserve.or.jp

FAX: 81-480-78-1217

A support technician will respond.

APPENDIX

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Upon discovery of a defect in the product, except in the Software, within the Warranty Period, you should notify WACOM Technical Support via telephone or fax to obtain an RMA (return authorization number) and instructions for shipping the product to a service location designated by WACOM. You should send the product, shipping charges prepaid, to the designated service location, accompanied by the return authorization number, your name, address and telephone number, proof of purchase date, and a description of the defect. WACOM will pay for return shipping by United Parcel Service or by an equivalent service as chosen by WACOM.

WACOM’s sole obligation and entire liability under this warranty shall be, at WACOM’s option, either the repair or replacement of the defective product or parts thereof of which WACOM is notified during the Warranty Period; provided, however, that you are responsible for (i) the cost of transportation

of the product to the designated service location and (ii) any loss or damage to the product resulting from such transportation.

WACOM shall have no responsibility to repair or replace the product if the failure of the product has resulted from accident, abuse, misuse, negligence, or unauthorized modification or repair, or if it has been handled or stored other than in accordance with WACOM's storage instructions.

Any descriptions, drawings, specifications, samples, models, bulletins, or similar material, used in connection with the sale of the product, shall not be construed as an express warranty that the product will conform or comply with your requirements.

EXCEPT FOR THE LIMITED WARRANTY DESCRIBED ABOVE, THERE ARE NO OTHER WARRANTIES MADE BY WACOM ON THIS PRODUCT. NO ORAL OR WRITTEN INFORMATION OR ADVICE GIVEN BY WACOM, ITS DEALERS, DISTRIBUTORS, AGENTS, OR EMPLOYEES SHALL CREATE A WARRANTY OR IN ANY WAY INCREASE THE SCOPE OF THIS WARRANTY, AND YOU MAY NOT RELY ON ANY SUCH INFORMATION OR ADVICE. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, WHICH VARY FROM STATE TO STATE.

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This Limited Warranty is governed by the laws of the United States of America and the state of California.

This Limited Warranty is valid for and only applies to products purchased and used inside the United States (and its territories or possessions) and Canada.

WARRANTY ON SALES OUTSIDE OF U.S. AND CANADA

For products purchased or used outside of the United States and Canada, the warranty is one (1) year from the date of purchase, and upon discovery of a defect in the product, except in the Software, within the Warranty Period you should notify your local dealer or distributor. In all other respects the terms of the warranty as set forth above apply to such sales.

Should you have any questions about this Agreement, or if you desire to contact WACOM for any reason, please contact in writing:

In North and South America contact:

WACOM TECHNOLOGY CORPORATION
501 S.E. COLUMBIA SHORES BOULEVARD, SUITE 300
VANCOUVER, WASHINGTON 98661
U.S.A.

In Asia Pacific contact:

WACOM CO., LTD.
2-510-1 TOYONODAI
OTONE-MACHI, KITASAITAMA-GUN
SAITAMA, 349-11, JAPAN

PRODUCT SPECIFICATIONS

ARTPAD II TABLET SPECIFICATIONS

(Model KT-0405-ANB)

Active area (W x D)	128.0 x 96.0 mm (5.04 x 3.78 in)
Physical size (W x D x H)	191.0 x 175.0 x 6.98 mm (7.52 x 6.89 x 0.27 in)
Cable length	1.8 m (6.0 ft)
Power consumption	0.5 watt
Weight	400 g (1 lb)
Input current	100 mA
Resolution	2540 lpi/100 lpmm
Accuracy (overall with pen)	0.5 mm (0.02 in), maximum
Pressure levels	256 levels
Maximum reading height	5 mm (0.2 in)
Maximum report rate	205 points per second
Origin position	Upper left
Communication interface	Apple Desktop Bus (ADB)
Connector	4-pin, mini-circular DIN
Operating temperature	5°C to 40°C (41°F to 104°F)
Storage temperature	-10° C to +60° C (14°F to 140°F)
Operating relative humidity	20% to 80%
Storage relative humidity	20% to 90%
International certification	FCC class B, VCCI class 2, TÜV-RFI, CE (EMC)

ULTRAPEN SPECIFICATIONS

Erasing UltraPen with DuoSwitch

(Model UP-801E)

Side switch color	lilac
Pen tip travel	0.1 mm (0.04 in) or less
Eraser tip travel	2.0 mm (0.079 in)
Physical size (L x D)	140.5 x 9 mm (5.5 x 0.4 in)
Weight	10 g (0.36 oz)
Tip refill type	polyacetal (Part no. PSI-A007)

WideBody UltraPen with Ink

(Model UP-401)

Side switch color	lilac
Pen tip travel	0.1 mm (0.04 in) or less
Physical size (L x D)	148 x 11.4 mm (5.83 x 0.45 in)
Weight	11 g (0.39 oz)
Tip refill type	polyacetal (Part no. PLD-4)

WideBody UltraPen with SmoothStroke*(Model UP-421)*

Side switch color	slate grey
Pen tip travel	1.0 mm (0.039 in) approx
Physical size (L x D)	148 x 11.4 mm (5.83 x 0.45 in)
Weight	11 g (0.39 oz)
Tip refill type	polyacetal (Part no. PLD-4)

Inking Cartridges for WideBody UltraPens with Ink and SmoothStroke

Black	Zebra, Part no. 4C Black (PLD-BLK)
Blue	Zebra, Part no. 4C Blue (PLD-BL)
Red	Zebra, Part no. 4C Red (PLD-RD)

Handwriting UltraPen*(Model UP-211)*

Side switch color	coral
Pen tip travel	0.1 mm (0.04 in) or less
Physical size (L x D)	140 x 9 mm (5.5 x 0.4 in)
Weight	8 g (0.28 oz)
Tip refill type	polyacetal (Part no. PSI-A007)

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